

ACA 20-113

Bonds to Low-Energy Surfaces

Adhesive

PRESSURE
SENSITIVE
ADHESIVE

PRODUCT DESCRIPTION— ACA 20-113 is a water based pressure sensitive adhesive. It provides excellent adhesion to low-energy surfaces and has excellent moisture resistance.

TYPICAL USE— Anywhere a low shear adhesive with strong bonds to low energy surfaces is indicated.

COATING METHOD— Dalhgren, wire wound bar, knife over roll

CLEAN UP—Washing with soap and water will clean the wet coating. The dry coating may require a toluene wash. Toluene is a flammable solvent and must be used according to OSHA safety standards.

WET ADHESIVE PROPERTIES

<u>Test</u>	<u>Value</u>	<u>Test</u>	<u>Value</u>
pH	7.4	Percent water by weight	46±2
Viscosity ^A (cps)	1,500-2,400	Percent water by volume	47±2
wt./gal. (lbs.)	8.6	Percent of VOC per gallon	<0.001
Percent solids by weight	53±2	Pounds of VOC per gallon less water	<0.001
Percent solids by volume	52±2	Mechanical Stability	Excellent
Percent VOC by weight	<0.005	Polymer Type	Acrylic Emulsion
Percent VOC by volume	<0.005		

DRY COATED PROPERTIES (1 MIL FILM, 2 MIL MYLAR)

<u>Test</u>	<u>Value</u>	<u>Test</u>	<u>Value</u>
Polyester backing/Stainless Steel ^B		Polyken tack (gm/cm ²): Initial	936
180° peel adhesion (lb/in.): Initial	5.1 ^C	Shear resistance, 90° F (hours): Initial	0.60 ^C

A. Brookfield Viscometer Model LVF

B. Test using 25 g/m² (1.0 mil) dry adhesive on 2 mil polyester

C. PSTC-1 30 min. dwell. Cohesive failure for peel and shear values.

NON-WARRANTY NOTICE—Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. We make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS PRODUCT OR ITS USE, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. THE MANUFACTURER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND.

